PROPER WAY TO TIE PLANTS.

stake and not against the plant,

PARAGUS.

cess it was valuable, as it added a new

and desirable vegetable to our garden.

'Summer asparagus" is not an aspara-

is another name that bears witness

The seeds came from a garden in

The six seeds planted the 3d of June

their toll of all but one plant. This

blossomed freely, bearing staminate

flowers until the end of August, when

one pistillate blossom appeared, the

A week or ten days later two more

that morning. For some reason the

bees were busy elsewhere, so I per-

have since learned that a little camel's

DEPTH TO SOW SEEDS.

Copyrighted by E. C. Vick.

Cabbage, turning broccolt, cauli-

hair brush is better.

only flower on the vine that day.

to its value in a small garden.

In tying plants up to stakes do not

Then, wherefore had they birth?

To minister delight to man, To beautify the earth: To comfort man, to whisper hope, Whene'er his faith is dim-

who so careth for the flowers Will much more care for -Mary Howitt.

SPINACH.

Spinach reaches maturity quickly, it

inch deep as early as the ground can as for spinach. be worked, and every two weeks for a succession. For winter and early spring use sow the last of August or first of September in well enriched ground; the soil cannot be too rich. Cover with straw on the approach of severe weather.

Rapid growth is desirable to obtain large, succulent leaves, and a good, rich loam is necessary for this pur-

The young plants should be thinned out to stand six or seven inches apart.



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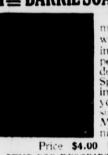
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TOBACCO DUST at \$40.00.

J. PERTILIZER & CHEMICAL CO. (WORKS) Croston, Jersey City (Eric R. R.). (OPPICE) 123 Water Street. New York City. pots can be divided and repotted at



len or greenhouse. nickel-plated.

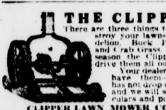
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JERSEY CITY



GARDEN OF GLADIOLI

Half collection of each \$1.15, prepaid. Get your money back if not satisfied.

ASTERDALE GARDENS. 205 Stambaugh Bldg., Youngstown, Ohio.

Giadioi, well started in 3-inch paper pors.

Princepine, Pendleton, Panama, per doz. \$2.60
America Augusta, King, Niagara, per doz. \$1.60
Sweet William, 2-inch pots, per doz.

Victoria spinach is of good texture, thrive under the same treatment with heavily crimped, thick, fleshy leaves with a deep, red stem. Long Season is best for late planting, as it other variety.

New Zealand spinach really is not tie the stems tightly to the stake, but a member of the spinach family, but first tie the raffia firmly to the stake, is a most excellent substitute for then make a second loop to loosely greens during the hot summer months, encircle the stem of the plant to alsix to eight weeks, and a small plot but it is different in form and habit, will supply the family table over a requiring more room to develop, as it makes a large spreading plant, other-Sow in drills one foot apart and one wise the treatment should be the same

ANNUALS.

Good Town Annuals.

Calliopsis, candytuft, cornflowers California poppy, godetia. Swan river daisy, mignonette, nigella, Shirley poppies, double larkspur.

gold, Clarkia gypsophila, lupinus, lava-

river daisy, dwarf clarkia, Gilia comstocks, pansies, alyssum, asperula.

Shirley, French and Iceland popples, grandiflorum, candytuft, salpiglossis. Agrostis nebulosa, viscaria, portulaca and escholtzia are all suitable for hot, fertilization was not a complete sucdry locations where many other plants

Constant travel along dry roads keeps the dust flying, and gardeners having dusty locations to contend with Vermont where summer asparagus has will find that fuchslas and tuberous been grown successfully several seabegonias will withstand dust better sons from seed bought of the Rochthan most plants. Abutilons, snap- ester, N. Y., seedsman who originated dragons and nasturtiums are also good. the strain. the best perennials. Sprinkle the last germinated, but cutworms took

DIVIDING ASPIDISTRAS.

Aspidistras that are crowded in the pistillate flowers appeared, and forthis season. Knock the pot so the ball THE BARRIE SOAP SPRAYER of earth will drop out upon the hand formed their duties, transferring a and then carefully wash away all the liberal supply of pollen, using for the The simplest and earth from the roots. With a sharp purpose a small stick, although nost economical knife divide the roots so that each way of keeping out division of the root will have one or more leaves, and at least one leaf of little knob remained on its stem.

A good support can be made by thing each division should have a new leaf Within a few days one blighted, while using stakes of 2 by 4 inch material, stend

the other lengthened into a green and Sprays any soap insecticide from your water pressure lasts forever.

Sprays any soap insecticide from the state of the sta loam, one-sixth part silver sand and through the mild autumn days until ground to withstand the weight of the sidered in this connection is the placene-sixth finely powdered charcoal. October 28, when its stem was so plants and the pressure of the wind. Use pieces of thick and green, but evidently it broken pots in the bottom of the pot for drainage and set the divisions so the crowns at the base of the leaves are buried about an inch below the are buried about an inch below the drainage and set the stem so badly that its career was ended.—Grace F. Andrews, are buried about an inch below the drainage and set the bottom of the pot tested by a frame on frosty nights, but these stakes will be required, according to the length of the rows. Two tree is the sunny spot. Plant gerating to the length of the rows. Two tree is the sunny spot. Plant gerating to the length of the rows. Two tree is the sunny spot. Plant gerating to the length of the rows, and all other heat lovers, instead of sunlight and die out if they have broken pots in the bottom of the pot would have kept on growing if proas soon as potted. Keep in the shade mature will produce fruit two to three are set tie strong cord to the ends of

po of the soil. Firm the soil gently sit is filled in and water thoroughly soon as potted. Keep in the shade week and provide stakes to keep he leaves from falling over.

If it is desired to keep large plants neat, repot into a larger pot, using mast of the old ball of earth, filling manner that asparagus is cooked in the same most of the old ball of earth, filling manner that asparagus is cooked and are a very good substitute for that most of the mixture ad
They require the same

They require the same the the ends of street long. When the stakes and all other heat lovers, instead of grass, which is well content with a degree of shade. A grass berder before the cord from post to post. Cut notches in the cross-pieces to hold the cord securely degree of shade. A grass berder before the cord from post to post. Cut notches in the cross-pieces to hold the cord securely degree of shade. If it is desired to keep large plants are sliced into strips about the size of cross-pieces to hold the cords securely or shrubs makes a pleasant contrast. Plant bed cloth, tents, intact, repot into a larger pot, using asparagus and cooked in the same &c. Circulars, Samples, most of the old ball of earth, filling manner that asparagus is cooked and in with new soil of the mixture ad- are a very good substitute for that STARTING SMALL FRUIT CULvised for divisions.

SHIRLEY POPPIES.

thin out until they stand seven inches

DODENDRONS AND KALMIAS.

any considerable quantities are injur-GLADIOLI PLANTS ious to magnolias. Decayed vegetable a good mulch for magnolias during the summer and winter. This should tion be turned under in the spring and a

I. Shows the depth to cover celery, lettuce, mustard, cress. 2. Rhubarb, aspara-gus. 3. Parsnip, tomato. 4. Leek, rudish, onion, beet, parsley, 5. Carrot. 6. Vege-table marrow, spinach. 7. Cucumber. 8. Early pens. 9. Broad beans. 10. Dwarf

The depths shown are for good garden loam. In heavy soils those on the half inch line should be a little nearer

MORE ABOUT THE GORDONIA.

By SUSAN P. OKIE.

Many readers of THE SUN have writ en me for some information about th lowering tree, the Gordonia, described rom my observation of one tree in Blue Ridge Mountains, where it as flourished for many years. Those she are interested in this tree will find fully described and illustrated in Prof. C. S. Sargent's larger book of rees. Some authorities say that it i oo tender for this latitude, but as we have a specimen here in Washington ulls matured and one in Pairmount Park, Philadelphia, fifty feet high and another at Huntington, L. L. it is probably like many other trees, requires protection in its early years;

form of protection I have found to be of small fruit. a wire tree guard, such as are sold by hardware dealers, and after December to put inside the guard some small

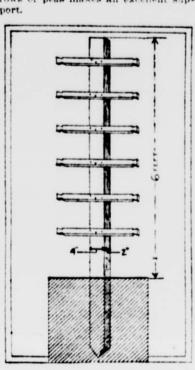
evergreens, so abundant in every village and town at the Christmas season The evergreens must not be removed until the apple trees are in blossom. for if removed prematurely the March winds and April blizzards will be a

near the house, where it will be pro tected from the north, or trained espalbay that is said to be hardy as far north as Virginia and that if cut down by hard weather it springs up from the root, forming a flowering shrib of

great beauty Both of these trees are planted largely in England, and why they are so rare in our own country must be but it is quite worth while to meet this formed a successful screen. demand and the reward is sure. The it was discovered by Bartram, the Scotland by a Dr. Gordon, whose name high board fence. it now bears.

PEA SUPPORTS.

At this season the question of sup. made to serve our necessities. ports for pea vines is a troublesome. One of the joys of gardening is the is to be had, brush is undoubtedly the not the soul of a pioneer he had better low free space for the stem to increase best support, but with many brush live in a flat and visit a park. in size. Make the knot of the second cannot be had and a substitute must In our yard were many gardens, and cop over the first knot, against the be used. Poultry netting becomes therein lay its never failing charm. very hot from the sun's rays and Some landmarks remained from year burns the tendrils. An old tennis net when we moved to pastures new fur-HAND FERTILIZED SUMMER AS-Although this experiment in hand



such as used for frames of houses.

BY CHARLES A GREEN.

To those starting in fruit culture for Do not try to start out on too large a scale until you have gained some best be accomplished by experience quicker returns than the strawberry or will come earlier in the season. It brings money at a time of the year when most needed. I think the strawberry more profitable on the same amount of ground than any other small fruit. A suitable location is very essential for the berry patch. An elevated site is best, with an eastern slope preferable. The fruit is not apt to be injured there by late frosts. Varicties should be selected that are hest perhaps can be obtained from neighbors who have tried and tested varie ity. Of course this applies to other fruit as well as strawberries. Als plant some raspberries, blackberries, gooseberries, currants and grapes, crops. If you have a good market close by you can realize more for your perries in the home market than yo can to ship them to distant markets. I would not ship unless I had more berries than the home market mands. In setting out a field of ten acr

o small fruit it would be well to set five of it to strawberries, three to ments with some reliable dealer to handle the berries who will pay for them as he gets them. Also secure regolar customers for the home mark This will not you a handsome income fruiting season. I feel safe in saying that if the soil is given the proper attention in fertilizing and cultivation



GARDEN POSSIBILITIES OF A CITY BACK YARD.

in the rear, 45 feet deep and the same another equally large crop to cut the syringe daily. width as the house. Next to the next day. When well grown the tree can take back door there was about ten feet care of itself, but it is well to plant it of solid stone across the yard, and the landscape gardener who built the lier fashion against a wall. There is house had put down the usual sidean evergreen type called the loblolly walk running all around, which was removed to make room for the garden.

The flagstones at the back door we boarded over, utilizing them for a piazza floor. Across the edge ran a light plazza railing. A strip of amning made the roof, and tall growing owing to this need of early protection; plants, immediately at the edge,

tree is sometimes called Franklinia, as shade we decided in favor of Helian- weather. In dry weather water the botanist, 150 years ago and named in thus. These we found more convenhonor of his friend Benjamin Frank- lent than vines for many reasons and the plants for a few days with an uplin. Afterward the tree was taken to because we needed vines to cover the turned strawberry box or pot.

Poets sing about the ivied walls of old gardens. Being professed optimists, we decided that the fences must be

rows of peas makes an excellent sup- larger fields where our fences are a nished us with homy spots in the succession of blooming shrubs. here we have no walls, no shut in nooks of secluded loveliness, such as are formed by placing a chicken wire roof across a fence corner and allowing the honeysuckle and clematis paniculata, which are covering the same fence, to run across and shade the corner seat placed beneath.

At the northeast corner of the vard a hardy climbing rose made a bower. which I have counted five hundred roses on a June morning, and stopped to admit a neighbor that she might

We now have the plazza possibilities a country residence, with a small breakfast table, which even a smart rain cannot put out of commission. train Kudzu vine, cinnamon vine, Virginia creeper or Euonymus in addition to the two before mentioned. And of

the annuals morning glory and Ma- ning time. deira vine, all that must be of service If by this time the laundress to not enthusiastic it becomes necessary to be firm, because it is perfectly true the diet, cutting the cost of living and that no walk ever ran as conveniently improving the health of the family. a clothes line as a removable

clothes reel. Of these there are sev- ctables of one kind may be had the eral excellent types. At all events a thing because one swings the reel, intramping over the premises to get to the clothes, and again because the evidences of the evil are re-Now only one more point to be con-

plants and the pressure of the wind, patch of grass, where the swinging

where they parallel the outside en-closure; and have no curves there the stalks, stir up the ground, fertilize inless the plan is to dot a miniature lawn with miniature circles, which, by the way, is perhaps the most waste. Hower, late spinach and brussels v the way, is perhaps the most wasteful and least satisfactory arrangement

and grow a water hiy surrounded by elephant's cars, ricinus and a rubber plant, its pot sunk to the rim in the ground-the pool shallow and put in tiny goldfish with stones at the bottom for the fish to find refuge Good annuals are sweet Sultans. under when the neighbor's cat would Gypsophila elegans, clarkia, godelia,

preference to sowing seed.

lawn, whatever the size, and that is and blue shades. Sow thinly broado prepare the soil as carefully as cast on a finely raked surface and watered. Time spent in preparation gently firm it. is time well spent, both in preparing Of the prennials Canterbury bells.

den beware of crude combinations. A in shallow drills six inches apart and promiscuous color massing in a con- keep the ground moist. stricted area is intolerable. One year seedlings are large enough transplant. we glowed with scarlet. Geraniums, The seed bed should be sheltered, but salvias, cannas, gladioli all reflected not heavily shaded. the brilliant hue, and among the fo-liage plants which toned down the too flower seeds in the garden. The seedinsistent note were ricinus, elephant's lings will have time to make a good ear, rainbow corn and summer cypress.
In all this selection of reds there is comes hot and dry. Sow both hardy on overpowering strain which prohib- annuals where they are to flower for therefore the white of sweet alyssum. candytuft, marguerites, nicotiana and

mainder to gooseberries, currants and soft browns and yellows of nasturare to flower. tiums, coreopsis, mignonette, golden glow, primroses and marigolds, with pansies, heliotrope, passion flower and asters to sound the contrasting note.

Of pinks and half neutral tints

ng Artemesias.

as needed, under the striped awning fine purple foliage. The young shoots of our city bred piazza, when the mid- are red and in May it bears small

the Magnolia grandiflora before its; there is no occupation that will bring summer heat made home comforts yellow flowers followed by bright red applied. Rhododendrons and Kalmias prolonged life is insured. The best a clearer net gain than the culture most acceptable. Mrs. M. W. T., New berries. Jersey.

VIOLA.

treasures violas are for cutting, every



For continuous bloom and dense most quickly when planted in showery plants every evening. If the sun is hot when the plants are set protect



of old manure or decayed leaves. If there is any clay adhering to the roots carefully washed off and the roots spread out in a natural position. Pick every flower as soon as it

PLAN THE VEGETABLE GARDEN FOR WINTER'S SUPPLY.

By M. ESTELLA SPRAGUE. Assistant State Agent U. S. Depart-

Don't forget in planning the summer vegetable garden that it should pro- snake. duce sufficient variety and quantitiy and alighted on a tree for a few se to furnish the winter's meals as well. We also have our walls on which to All kinds of vegetables may be successfully canned. Complete instruc- here, who say they have never tions will be given before early can-After vegetables are canned there

Planting should be planned so veg-

entire season and not one planting to beans, greene, summer squash, in fact many other vegetables, may be had for winter use as well, and by putting !

up a few cans each day the task is not only pleasant but extremely satisfactory.

sprouts are all delictous canned.

We need to remember that children they do not like the root crops. They must have the mineral elements which them through the next school year.

scabiouses, viscarias, &c. Viscarias Half the fun of gardening lies in grow about fifteen inches high and studying the catalogues. For a small are excellent for small beds. It is garden started late buy seedlings in to be had in separate colors; usually cardinalis, crimson, is used. Mixed We have found but one way to make colors may also be had in red. white he, then seed, roll and keep dust over lightly with fine soil and

pansies, violas, aquilegias, sweet will For color schemes in a small gar-

use of other reds or pink; this summer's flowers and perennials and biennials for next year's flowers. A seed bed must be provided for the Another year we reveiled in the perennials, as they are to be transplanted into the positions where they

The early flowering shrubs can be

which blend there is no end; and as cherries and plums, Japanese quinces, few plants give results through the flowering currant and varieties of entire season one may be careful berberis. Berberis dictophylla is a new choosing run from end to end of the Chinese variety: the young branches and the underside of the foliage is For early spring there are the hardy covered with white bloom which gives builts and Fersythia; and for the last the plant a silvery appearance. It mutumn day that a flower from the grows six or seven feet high, bearing arden is possible are the never fail. yellow flowers in the spring, followed by brilliant red berries in the autumn. In this garden grew at various times | Gerberis thunbergi has small foliage omatoes; lettuce, radishes, parsley, assuming varied tints of coloring in ewberries, small omons, carrots, egg. the autumn and scarlet berries which lant and sweet peppers. To the fond remain on the plant a long time, doing es of the gardeners and the jaded well either in sun or shade. Berberin lates of their salad loving friends wilsons is a good dwarf variety with nece useful plants took not one whit small glossy green leaves turning to sere from the charm than did the red in the autumn. B. vulgaris purfragrant mint, which we crushed fresh purea is a tall growing variety

WING IN COUNTRY AND CITY

Azaleas should be repotted after the flowers have faded and before new growth appears. Three parts good If pardeners realized what real rich loam and one part silver sand. thoroughly mixed, makes a good soil. The house was 18 feet 6 inches garden would have a clump of these wide by 55 feet deep. The yard was closely as desired and there will be Place the plants in the shade and

> The best shrubs for shady places, such as the north side of a house, are Spiræa arguta, Viburnum acerifolium and pubescens, Cicthra ainifolia, Berberis thunbergi, Philadelphus inodorous. Cornus alba and stolonifera and Ibota regellanum. The following evergreens can be used: Rhododendrons. kalmia and euonymous radicans.

or the last of June will flower by New York, Westchester a Christmas. Plants from seed sown Railroad change at the middle of August will flower about crosstown tro Easter. It requires considerable skill at Third avenue, to grow cinerarias well without a conservatory or greenhouse, but we know several people who raise cinerarias successfully in a window garden.

Rose cuttings root well in June

Geranium cuttings started in June will make good plants for the window

CROW ATTACKS SNAKE.

EDITOR GARDEN DEPARTMENT: While

tall dead grass and every few seconds would jump up from the ground about three feet and then go down again apparently as forcibly as it could, as if fighting something. We watched the crow for shout five or ten minutes. ter of us we crossed the street into the field and approached within about a plainly. We then hesitated and tried he to see more clearly what it was doing. The crow ceased flying up and down then, and as we approached a little closer flew up, holding in its claws a snake between two and three feet long which looked like a garden snake. It flew just a short distance onds, then continued its flight, still re-

We have told this to several people of a crow catching snakes, and think ing it rather a rare incident we su nessed crows killing snakes.

V. S. LODER, Pennsylvania.

EDITOR GARDEN DEPARTMENT: In Your Easter page an article by Susan Perennial." The begonia to which the article refers is growing in my gard among the ferns and is very beautiful The plants were given me sever Lebanon, Pa., where, in her mother garden, they bloomed profusely su lished a number of her mother plants in her own garden, where the multiplied and spread into a ner the sort of protection that the ferr If the garden is planned on paper fronds give, but they do like filtered

cal Garden, Bronx Park, is

operation with the light e Bronx Park

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Fire could not have these ALPHA silvs

his picture was drawn from a recent scene in New York state. The wooden barn was completely lost; the concrete silos were uninjured. Concrete construction stands when other types crumble before flames. Good concrete lasts practically forever. Build for permanence, and save on repairs, painting and insurance, by using concrete made with ALPHA cement. ALPHA is tested hourly by chemists, while being made, and every pound of every bag of goes out guaranteed to more than meet the U. S. Government standard and all other recognized requirements.



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Keep plants flourishing weather. Watering neces once in two weeks. Cost than ordinary vases. 1 satisfactory vase for law

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Tiflin, Ohio Mention 1HL SUN)

Asperula or blue Woodruff, maritera, stocks, dwarf godetia.

Nemesia hybrids, Nemophila Holborn luebell or insignis, Saponaria calabrica or vaccaria, Arctotis grandis or African daisy, brachycome or Swan pacta, Malcolmia maritima or Virginia

Annuals for Borders. Godetia. Centaurea imperalis, clarkia. bartonia, gypsophila

FLOWERS FOR DRY, SUNNY GARDENS. cornflowers, enapdragons, nasturtiums. verbenas, calendula, scabiosa, Linum

FLOWERS FOR DUSTY LOCATIONS gus at all but a charming variety of

the leaves from falling over.

THE CLIPPER For Shirley popples the bed should the three things that destroy your lawns—Dan-bellion. Buck Plantain in Grab Grab Grass. In one first giving a very heavy coating of manure, incorporating this with the and Crab Grass. In one season the Clipper will drive them all out.

Your dealer should have them—If he has not doop us a line and we will send circulars and poless.

CLIPPER LAWN MOWER CO.

Dixon, III.

BOLA CLIPPER LAWN MOWER CO.

Dixon, III.

Box A very nearly coating of manure, incorporating this with the soll in digging. The top four inches sown on the surface of finely prepared soil and firmed with a flat surface, such as a smooth board.

Soll in digging. The top four inches sown on the surface of finely prepared soil and firmed with a flat surface, such as a smooth board. will manure, incorporating this with the flower, Savoy and Brussels aprouts are sowing. When the plants come up

MULCH FOR MAGNOLIAS. RHO-

For Your Rhododendrons Be Sure to Use ALPHANO Now

DON'T wait until your rhododendrons have bloomed and are "standing still" and then suddenly wake up to the fact that blooming plants are hungry plants.

Give them plenty of Alphano to feed on right now. The large amount of humors that Alphano contains is what Rhododendrons especially require. It's what their roots are bedded in when you find them growing so hixuriantly in the woods. Dig Alphano around the roots before they bloom. Use it as a mulch after blooming, when they start to make the growth upon which the buds form for next Spring's blooms.

Top dress your lawn with it. Dig it around your vegetables, flowers and shrubs.

Send for the Alphano Book.

